



# SON

SON 400W E E40 CO 1SL/12

High Pressure Sodium lamp with opalized ovoid outer bulb

## Product data

### • General Information

|                             |                            |
|-----------------------------|----------------------------|
| Cap base                    | E40 [ GES]                 |
| Bulb shape                  | ED120 [ ED 120mm]          |
| Burning Position            | UNIVERSAL [ Any/Universal] |
| Life to 5% failures (nom.)  | 12000 h                    |
| Life to 20% failures (nom.) | 20000 h                    |
| Life to 50% failures (nom.) | 28000 h                    |
| System description          | External Ignitor (E)       |

### • Light Technical

|                                       |          |
|---------------------------------------|----------|
| Lamp Luminous Flux (Min)              | 42000 lm |
| Lamp Luminous Flux (Nom)              | 48000 lm |
| Lumen maintenance 10,000 hours (min.) | 81 %     |
| Lumen maintenance 10,000 hours (nom.) | 88 %     |
| Lumen maintenance 2,000 hours (min.)  | 94 %     |
| Lumen maintenance 2,000 hours (nom.)  | 97 %     |
| Lumen maintenance 5,000 hours (min.)  | 88 %     |
| Lumen maintenance 5,000 hours (nom.)  | 94 %     |
| Colour Temperature, horizontal (Nom)  | 2000 K   |
| Lamp Luminous Efficacy EM (Nom)       | 122 lm/W |
| Colour Rendering Index,horiz (Max)    | 25       |

|                                    |   |
|------------------------------------|---|
| Colour Rendering Index,horiz (Nom) | - |
|------------------------------------|---|

### • Operating and Electrical

|                                |         |
|--------------------------------|---------|
| Power (Rated) (Nom)            | 400.0 W |
| Lamp current (EM) (nom.)       | 4.45 A  |
| Ignition supply voltage (max.) | 198 V   |
| Ignition peak voltage (max.)   | 2800 V  |
| Re-ignition time (min.) (max.) | 120 s   |
| Ignition time (max.)           | 5 s     |
| Voltage (Max)                  | 120 V   |
| Voltage (Min)                  | 90 V    |
| Voltage (Nom)                  | 105 V   |

### • Controls and Dimming

|                        |       |
|------------------------|-------|
| Dimmable               | yes   |
| Run-up time 90% (max.) | 5 min |

### • Mechanical and Housing

|             |                             |
|-------------|-----------------------------|
| Bulb finish | Coated [ Coated glass (CO)] |
|-------------|-----------------------------|

### • Approval and Application

|                               |         |
|-------------------------------|---------|
| Energy efficiency label (EEL) | A+      |
| Mercury (Hg) content (nom.)   | 24.5 mg |

# PHILIPS

Energy Consumption 440 kWh  
kWh/1000 h

#### • Luminaire Design Requirements

Bulb temperature 350 °C  
(max.)  
Cap base temperature 250 °C  
(max.)

#### • Product Data

Full product code 871150021032615

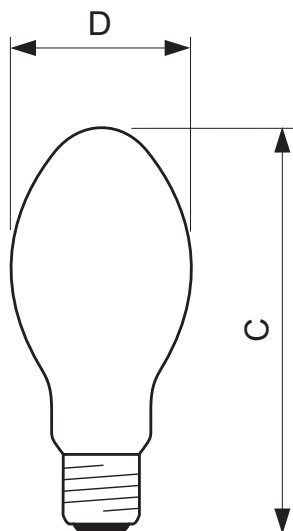
Order product name SON 400W E E40 CO 1SL/12  
EAN/UPC – product 8711500210326  
Order code 928487000091  
Local Code SON400WGES  
Numerator – quantity per pack 1  
Numerator – packs per outer box 12  
Material no. (12NC) 928487000091  
Net weight (piece) 0.246 kg

## Warnings and Safety

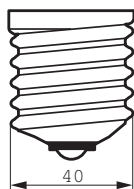
- Control gear must include end-of-life protection (IEC60662, IEC 62035)
- A lamp breaking is extremely unlikely to have any impact on your health. If a lamp breaks, ventilate the room for 30 minutes and

remove the parts, preferably with gloves. Put them in a sealed plastic bag and take it to your local waste facilities for recycling. Do not use a vacuum cleaner.

## Dimensional drawing



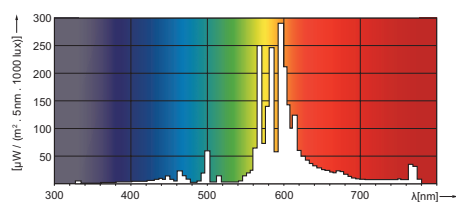
SON



### SON 400W E E40 CO

| Product                  | D      | C      |
|--------------------------|--------|--------|
| SON 400W E E40 CO 1SL/12 | 122 mm | 290 mm |

## Photometric data



© 2016 Philips Lighting Holding B.V.  
All rights reserved.

Specifications are subject to change without notice. Trademarks are the property of Koninklijke Philips N.V. (Royal Philips) or their respective owners.

[www.philips.com/lighting](http://www.philips.com/lighting)

2016, March 7  
data subject to change